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AUTHOR Vincent, Jack E.
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ABSTRACT

This monograph is a computer printout which presents findings from an analysis of data on international cooperation over a three-year period. The document is part of a large scale research project to test various theories with regard to their ability to analyze international relations. In this monograph, data are analyzed according to relative status field theory. Field theory maintains that international relations consists of all the attributes and interactions of nations and their complex interrelationships, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. Scores on variables are then compared for each nation to determine relative status. The analysis presented in this monograph indicates the results that occur when positive type behavior nation exporters are compared to negative type behavior nation exporters. Social field theory was applied to a single index for the three year period in question--World Event Interaction Survey (WEIS) conflict data which was created using the "New York Times" as a data source. The method involved when applying social field theory to WEIS conflict data included assigning a negative or positive parameter weight on each predictive factor (such as economic development) which indicates the kind of behavioral exportation engaged in by that state relative to other states. Variables of particular interest included domestic violence, economic development, political stability, population density, duration of national independence, colonial experience, military power, power base, and health conditions. All of the independent variables treated are factors--that is, composite indexes generated out of a number of related variables using the technique of factor analysis. Findings are based on a significance level of .05 or less. Policy implications of each finding are discussed. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

RELATIVE STATUS-FIELD THEORY, RESULTS FOR COOPERATION, TU ACTORS, 1966-1969, AN INVENTORY OF FINDINGS

BY: JACK E. VINCENT
PROFESSOR OF POLITICAL SCIENCE
FLORIDA ATLANTIC UNIVERSITY
BOCA RATON, FLORIDA 33432

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2,

PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD-OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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NOTE: ALL MONOGRAPHS ON TAPE ARE SET UP TO PRINT ON A UNIVAC DOCUMENT PROCESSOR. SPECIAL PROGRAMS TO ASSIST IN PRINTING ON A DECWRITER II FOR UPPER AND LOWER CASE, DOUBLE SPACE, LENGTH ADJUSTED FOR THE DECWRITER AND WITH FOOTNOTE CAPABILITY, ARE CONTAINED IN MONOGRAPH 26. TABLES OR FIGURES THAT GO BEYOND 80 COLUMNS MAY BE FOLDED IF THE DOCUMENT PROCESSOR IS USED. IF THIS IS UNDESIRABLE, THEY CAN BE PRINTED BY OTHER STANDARD PRINT COMMANDS, SUCH AS AN EDITOR PROGRAM, WHICH CAN PRINT, WITHOUT FOLDING, TO 132 COLUMNS. ALSO, DOCUMENT COMMANDS ARE INVISIBLE IN THE COPY ONLY IF THE DOCUMENT PROCESSOR IS USED. IF OTHER PRINT COMMANDS ARE USED, THE DOCUMENT COMMANDS WILL BE VISIBLE, I.E., WILL APPEAR AS >DOUBLE>, >SPACE>, ETC. AND ARE LEFT JUSTIFIED. IF THEY ARE NOT NEEDED, THEY CAN BE IGNORED OR EDITED OUT. ALL MONOGRAPHS ARE IN MIXED UPPER AND LOWER CASE, EXCEPT MONOGRAPHS 19 AND 26, WHICH ARE IN UPPER CASE ONLY.

Attributes and National Behavior:

Modern International Relations Monograph Series

By Jack E. Vincent, Ph.D.
Professor of Political Science
Florida Atlantic University
Boca Raton, Florida

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RELATIVE STATUS-FIELD THEORY, RESULTS FOR COOPERATION, TU ACTORS, 1966-1969, AN INVENTORY OF FINDINGS

THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS. THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A DISCRIMINANT FUNCTION ANALYSIS ON THE POSITIVE VERSUS THE NEGATIVE WEIGHT SUBJECTS, FOR EACH OF THE INDEPENDENT VARIABLES USING THE FACTORS OF A-SPACE AS DISCRIMINATORS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE MAGNITUDE OF THE WEIGHTS.

A BRIEF STATEMENT ON DISCRIMINANT FUNCTION ANALYSIS (HADLEY, 1961) SEEMS TO BE IN ORDER. ITS PURPOSE HERE IS TO DETERMINE, WHEN CONSIDERING TWO DIFFERENT NATION GROUPS, SCORED ON COMMON VARIABLES, WHICH OF THE VARIABLES BEST DISCRIMINATES BETWEEN NATION GROUPS. THIS IS DONE BY GIVING EACH GROUP MEMBER A DISCRIMINANT FUNCTION SCORE, WHICH IS A FUNCTION OF THE ORIGINAL VARIABLES WEIGHTED SO THAT THE MEAN OF THE DISCRIMINANT FUNCTION SCORES, FOR EACH GROUP, IS MAXIMALLY DIFFERENT. CORRELATIONS OF THE ORIGINAL VARIABLES WITH THE DISCRIMINANT FUNCTION SCORES INDICATE WHICH VARIABLES ARE THE BEST DISCRIMINATORS. FOR EXAMPLE, IF ECONOMIC DEVELOPMENT CORRELATES .60 WITH THE DISCRIMINANT FUNCTION SCORES OF A PARTICULAR ANALYSIS, SAY + WEIGHTS VS. - WEIGHTS IN RESPECT TO POWER BASE, THOSE WITH POSITIVE WEIGHTS, ON POWER BASE, WOULD TEND TO BE DEVELOPED STATES AND THOSE WITH NEGATIVE WEIGHTS, UNDERDEVELOPED STATES.

A PRODUCT OF DISCRIMINANT FUNCTION ANALYSIS IS AN F-TEST OF THE MEANS OF THE TWO GROUPS CONSIDERED ON THE VARIABLES. IN THE ABOVE EXAMPLE, IF THE MEAN OF THE + POWER STATES IS COMPARED WITH THE

MEAN OF THE - POWER STATES, IN RESPECT TO ECONOMIC DEVELOPMENT, THE MEAN OF THE FORMER STATES MIGHT BE .35, INDICATING THAT THE + POWER GROUP IS ABOVE THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT, WHILE THE - POWER STATES MIGHT HAVE A SCORE OF -.12, INDICATING THAT THE - POWER STATES ARE BELOW THE SYSTEM AVERAGE IN RESPECT TO ECONOMIC DEVELOPMENT. IF THE DIFFERENCE IS SIGNIFICANT, WE MAY CONCLUDE THAT THE + POWER STATES TEND TO BE DEVELOPED WHILE THE - POWER STATES TEND TO BE UNDERDEVELOPED.

EACH OF THE FINDINGS, WHICH FOLLOWS, IS BASED ON A SIGNIFICANCE LEVEL OF .05 OR LESS, AND COMPARES THE ATTRIBUTE CHARACTERISTICS OF THOSE WITH - VERSUS + WEIGHTS AS DETERMINED BY THE DISCRIMINANT FUNCTION ANALYSES.

THE FOLLOWING LISTS: LIST 1 = DISCRIMINANT RESULTS, POSITIVE WEIGHTS, LIST 2 = DISCRIMINANT RESULTS, NEGATIVE WEIGHTS, LIST 3 = CORRELATION RESULTS, POSITIVE WEIGHTS, LIST 4 = CORRELATION RESULTS, NEGATIVE WEIGHTS, ---- SHOW THE RELATIONSHIP OF THE NATIONAL ATTRIBUTES TO THE EXPORTATION PATTERNS.

EACH FINDING CAN BE VIEWED AS HAVING POTENTIAL POLICY IMPLICATIONS. FOR EXAMPLE, IF LOW ECONOMIC DEVELOPMENT IS ASSOCIATED WITH - WEIGHTS AND HIGH ECONOMIC DEVELOPMENT WITH + WEIGHTS, THEN, IT IS POSSIBLE THAT IF A STATE SHIFTS FROM LOW DEVELOPMENT TO HIGH DEVELOPMENT THAT ITS EXPORT WEIGHT PATTERN MAY SHIFT FROM - TO +. OBVIOUSLY SUCH AN INTERPRETATION IS SPECULATIVE SINCE >CAUSE> IS NOT CLEARLY ESTABLISHED BY THIS KIND OF ANAYLYSIS. NEVERTHELESS, THE FOLLOWING RESULTS STRONGLY SUGGEST THAT NATION ATTRIBUTES ARE LINKED (AT LEAST PREDICTIVELY) TO

EXPORT PATTERNS AND MAY BE LINKED CAUSALLY.

THE INVENTORY

LIST 1

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR POSITIVE WEIGHT NATIONS.

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S FAR BELOW THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE .8708 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.9775 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE ABOVE THEM ON POWER BASE

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LOW ECONOMIC DEVELOPMENT -.0358 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE 1.0481 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION DENSITY .6774 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NON-COMPETITIVE POLITICAL SYSTEM

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HIGH ECONOMIC DEVELOPMENT 1.1113 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION GROWTH RATE

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LARGE POPULATION GROWTH RATE -.6427 (MEAN GROUP SCORE IN A-SPACE)

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SMALL POWER BASE -1.0851 (MEAN GROUP SCORE IN A-SPACE)

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .8782 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS 1.1741 (MEAN GROUP SCORE IN A-SPACE)

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LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE -.1615 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON FEW MILITARY PERSONNEL PER CAPITA

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SMALL GNP GROWTH RATE -.4183 (MEAN GROUP SCORE IN A-SPACE)

FEW EXECUTIVE ADJUSTMENTS .7097 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.1593 (MEAN GROUP SCORE IN A-SPACE)

LITTLE POLITICAL INSTABILITY -.3511 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .1356 (MEAN GROUP SCORE IN A-SPACE)

FEW MILITARY PERSONNEL PER CAPITA .1620 (MEAN GROUP SCORE IN A-SPACE)

LIST 2

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR MEANS FOR NEGATIVE WEIGHT NATIONS.

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S CLOSE BELOW THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE -.3511 (MEAN GROUP SCORE IN A-SPACE)

MANY ELECTIONS .3631 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S FAR ABOVE THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .9570 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .2056 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY -.2805 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .5662 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POPULATION GROWTH RATE .2941 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.2742 (MEAN GROUP SCORE IN A-SPACE) -

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.1268 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.2658 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY .7930 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY MILITARY PERSONNEL PER CAPITA -.7828 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .3696 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE -.5338 (MEAN GROUP SCORE IN A-SPACE)

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE .6919 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .3410 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.8793 (MEAN GROUP SCORE IN A-SPACE)

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .5977 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION DENSITY -.4890 (MEAN GROUP SCORE IN A-SPACE)

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .4184 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL HEALTH EXPENDITURE AS PERCENT OF GNP .9366 (MEAN GROUP

SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT 1.0350 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.2556 (MEAN GROUP SCORE IN A-SPACE)

LOW PER CAPITA INTERNAL SECURITY FORCE -.1999 (MEAN GROUP SCORE IN A-SPACE)

FEW ELECTIONS -.1787 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.6938 (MEAN GROUP SCORE IN A-SPACE)

LARGE POPULATION GROWTH RATE -.6349 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.7773 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH ECONOMIC DEVELOPMENT .9851 (MEAN GROUP SCORE IN A-SPACE)

SMALL POWER BASE -.1912 (MEAN GROUP SCORE IN A-SPACE)

LITTLE DOMESTIC VIOLENCE .1565 (MEAN GROUP SCORE IN A-SPACE)

SMALL GNP GROWTH RATE -.2246 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TU I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES -.3755 (MEAN GROUP SCORE IN A-SPACE)

HIGH PER CAPITA SCHOOL ENROLLMENT .1503 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

OLD CURRENCY -.6178 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY -.6054 (MEAN GROUP SCORE IN A-SPACE)

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION .7330 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE DOMESTIC VIOLENCE .3769 (MEAN GROUP SCORE IN A-SPACE)

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP -.7238 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE -.3547 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.5586 (MEAN GROUP SCORE IN A-SPACE)

LARGE GNP GROWTH RATE .2779 (MEAN GROUP SCORE IN A-SPACE)

MANY EXECUTIVE ADJUSTMENTS -.4263 (MEAN GROUP SCORE IN A-SPACE)

RELATIVE STATUS-TO I'S THAT TEND TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE -.7201 (MEAN GROUP SCORE IN A-SPACE)

POLITICAL INSTABILITY .4632 (MEAN GROUP SCORE IN A-SPACE)

MUCH DOMESTIC VIOLENCE -.7884 (MEAN GROUP SCORE IN A-SPACE)

MANY MILITARY PERSONNEL PER CAPITA -.6024 (MEAN GROUP SCORE IN A-SPACE)

LIST 3

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH POSITIVE WEIGHTS

RELATIVE STATUS-TO I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S FAR BELOW THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE N= 7 P= .0065 R= .9000

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 7 P= .0239 R= .8200

RELATIVE STATUS-TO I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE ABOVE THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP N= 6 P= .0106 R= .9200

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 14 P= .0196 R= .6100

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 10 P= .0492 R= .6300

HIGH ENERGY PRODUCTION N= 10 P= .0404 R= .6500

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 5 P= .0414 R= .8900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 15 P= .0499 R= .5100

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 15 P= .0499 R= .5100

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES N= 13 P= .0323 R= .5900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

POLITICAL INSTABILITY N= 23 P= .0337 R= .4400

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 23 P= .0295 R= .4500

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY N= 24 P= .0259 R= .4500

LARGE GNP GROWTH RATE N= 24 P= .0442 R= .4100

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE DOMESTIC VIOLENCE N= 17 P= .0240 R= .5400

LOW RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 17 P= .0347 R= .5100

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE N= 8 P= .0473 R= .7100

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 18 P= .0467 R= .4700

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

POLITICAL INSTABILITY N= 13 P= .0323 R= .5900

RECENT NATIONAL INDEPENDENCE N= 13 P= .0257 R= .6100

FEW ELECTIONS N= 13 P= .0257 R= .6100

FEW EXECUTIVE ADJUSTMENTS N= 13 P= .0103 R= .6800

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHAN

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE N= 19 P= .0356 R= .4800

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY ELECTIONS N= 22 P= .0337 R= .4500

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

NON-COMPETITIVE POLITICAL SYSTEM N= 22 P= .0258 R= .4700

LARGE POPULATION GROWTH RATE N= 22 P= .0258 R= .4700

MANY EXECUTIVE ADJUSTMENTS N= 22 P= .0383 R= .4400

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON LITILE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S BELOW THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 17 P= .0057 R= .6400

MUCH ETHNO-LINGUISTIC FRACTIONALIZATION N= 17 P= .0106 R= .6000

LIST 4

AN INVENTORY OF FINDINGS FOR RELATIVE STATUS-FIELD THEORY, COOPERATION, A-SPACE FACTOR CORRELATIONS WITH NEGATIVE WEIGHTS

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S CLOSE BELOW THEM ON ECONOMIC DEVELOPMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 26 P= .0268 R= .4300

SMALL GNP GROWTH RATE N= 26 P= .0147 R= .4700

LOW PER CAPITA SCHOOL ENROLLMENT N= 26 P= .0172 R= .4600

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S FAR ABOVE THEM ON POWER BASE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON POLITICAL INSTABILITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MANY EXECUTIVE ADJUSTMENTS N= 27 P= .0480 R= .3800

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NON-COMPETITIVE POLITICAL SYSTEM

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE CHRISTIAN COMMUNITY N= 17 P= .0025 R= .6900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

HIGH PER CAPITA INTERNAL SECURITY FORCE N= 22 P= .0196 R= .4900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL POPULATION DENSITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POWER BASE N= 28 P= .0057 R= .5100

SMALL POPULATION GROWTH RATE N= 28 P= .0286 R= .4100

SMALL GNP GROWTH RATE N= 28 P= .0380 R= .3900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL CHRISTIAN COMMUNITY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE POPULATION GROWTH RATE N= 17 P= .0489 R= .4800

MUCH DOMESTIC VIOLENCE N= 17 P= .0122 R= .5900

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON RECENT NATIONAL INDEPENDENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE DOMESTIC VIOLENCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE AT FIXED PRICES

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW MILITARY PERSONNEL PER CAPITA

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 9 P= .0071 R= .7600

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LARGE GNP GROWTH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RECENT NATIONAL INDEPENDENCE N= 16 P= .0055 R= .6600

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON SMALL HEALTH EXPENDITURE AS PERCENT OF GNP

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LONG NATIONAL INDEPENDENCE N= 7 P= .0305 R= .8000

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA SCHOOL ENROLLMENT

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL CHRISTIAN COMMUNITY N= 24 P= .0389 R= .4200

HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE N= 24 P= .0259 R= .4500

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH PER CAPITA INTERNAL SECURITY FORCE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION N= 15 P= .0253 R= .5700

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH ENERGY PRODUCTION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON MANY ELECTIONS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHAN

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LARGE GNP GROWTH RATE AT FIXED PRICES N= 14 P= .0442 R= .5400

LARGE HEALTH EXPENDITURE AS PERCENT OF GNP N= 14 P= .0151 R= .6300

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON FEW EXECUTIVE ADJUSTMENTS

TEND TO EXHIBIT THE CHARACTERISTICS OF:

MUCH DOMESTIC VIOLENCE N= 9 P= .0049 R= .8400

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LOW CRUDE DEATH RATE

TEND TO EXHIBIT THE CHARACTERISTICS OF:

LOW ECONOMIC DEVELOPMENT N= 9 P= .0195 R= .7500

LARGE POPULATION GROWTH RATE N= 9 P= .0347 R= .7000

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON LITTLE ETHNO-LINGUISTIC FRACTIONALIZATION

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL POWER BASE N= 22 P= .0337 R= .4500

LARGE POPULATION GROWTH RATE N= 22 P= .0258 R= .4700

MUCH DOMESTIC VIOLENCE N= 22 P= .0079 R= .5500

HIGH PER CAPITA SCHOOL ENROLLMENT N= 22 P= .0435 R= .4300

RELATIVE STATUS-TU I'S MOST LIKELY TO EXPORT HIGH COOPERATION TO J'S ABOVE THEM ON NEW CURRENCY

TEND TO EXHIBIT THE CHARACTERISTICS OF:

SMALL GNP GROWTH RATE AT FIXED PRICES N= 15 P= .0132 R= .6.00

LARGE GNP GROWTH RATE N= 15 P= .0099 R= .6400

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